

Remarks

Applicants thank the Examiner for carefully considering the subject application, and thank the Examiner for reconsidering the previous Office action.

Regarding Claim 10, the Office action now applies Ludecke et al. (US 4,211,075). Claim 10 states:

A system comprising:
a diesel engine having an exhaust system that terminates at a tailpipe;
an electronically controlled valve coupled to said engine;
a diesel particulate filter in said exhaust system coupled to said engine;
and
a controller for commencing self-sustaining regeneration of said particulate filter, determining temperature of the filter, if said temperature is greater than a limit, adjusting said valve to reduce oxygen entering said filter and limit said self-sustaining regeneration reaction, and continuously flowing all exhaust emitted from the tailpipe through the particulate filter.

Applicants have reviewed Ludecke et al. and fail to find all claim limitations. For example, Applicants can find no description in Ludecke et al. that describes reducing oxygen entering the filter to *limit* self-sustaining regeneration if the temperature is *greater* than a limit. Rather, Ludecke et al. repeatedly teaches the opposite - reducing the admittance of excess combustion air to thereby *increase* engine exhaust gas temperature. See, for example, the Summary of the Invention, Col. 2, lines 1-4. See also, Figure 2, which shows that when the temperature is rising too fast, the controller will "open throttle a bit."

Also, Applicants have reviewed the Office action mailed 4/14/05 and fail to find any assertion as to where Ludecke et al. describes reducing oxygen entering the filter to limit self-sustaining regeneration if the temperature is greater than a limit.

As such, Applicants respectfully request that the rejection be withdrawn. The above arguments also apply to amended claim 5.

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Serial No. 10/063,454; Record ID 81078759

The above-identified application is believed to be in condition for allowance, and such allowance is courteously solicited. If any further amendment is necessary to advance prosecution and place this case in allowable condition, the Examiner is courteously requested to contact the undersigned by fax or telephone at the number listed below.

Please charge any cost incurred in the filing of this Amendment, along with any other costs, to Deposit Account No. 06-1510. If there are insufficient funds in this account, please charge the fees to Deposit Account No. 06-1505. A duplicate copy of this sheet is enclosed.

CERTIFICATE OF FACSIMILE

I hereby certify that this correspondence is being sent via facsimile to the U.S. Patent and Trademark Office via facsimile at (703) 872-9306 on July 13, 2005



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